VOLUME CONTENTS

CONTENTS VOL. 77 NO. 1 1996

R. W. Gauldie. Fusion of otoconia: a stage in the development of the otolith in the evolution of fishes 1

M. M. Antoniazzi and M. Silveira. Studies on *Stenostomum grande* Child, 1902 (Platyhelminthes, Catenulida): fine structure of the digestive tract and the endocytotic activity of the gastrodermis 25

G. Purschke and A. B. Tzetlin. Dorsolateral ciliary folds in the polychaete foregut: structure, prevalence and phylogenetic significance 33

J.-Y. Sire and A. Huysseune. Structure and development of the Odontodes in an armoured catfish, *Corydoras aeneus* (Siluriformes, Callichthyidae) 51

R. A. Cloney and L. J. Hansson. Ascidian larvae: the role of test cells in preventing hydrophobicity 73

K. W. Wolf. Immunocytochemical evidence of a tubulin reserve at the tip of growing flagella in spermatogenesis of the Mediterranean mealmouth, *Ephestia kuehniella* 79

B. G. M. Jamieson, S. C. Oliver and D. M. Scheltinga. The ultrastructure of the spermatozoa of Squamata. I. Scincidae, Gekkonidae and Pygopodidae (Reptilia) 85

CONTENTS VOL. 77 NO. 2 1996

R. P. S. Jefferies, N. A. Brown and P. E. J. Daley. The early phylogeny of chordates and echinoderms and the origin of chordate left–right asymmetry and bilateral symmetry 101

J. Haupt. Fine structure of the trichobothria and their regeneration during moulting in the whip scorpion *Typopeltis crucifer* Pocock, 1894 123

L. Orrhage. On the microanatomy of the brain and the innervation and homologues of the cephalic appendages of Hesionidae and Syllidae (Polychaeta) 137

R. Dallai, B. A. Afzelius and B. Mamaev. Flagellar axonemes with 10 microtubular doublets in spermatozoa from gall-midges (Diptera, Cecidomyiidae) 153

O. T. Thiaw and X. Mattei. Ultrastructure of the secondary egg envelope of Cyprinodontidae of the genus *Epiplatys* Gill, 1862 (Pisces, Teleostei) 161

R. R. Melzer, M. Heß, C. Dunkel, P. Ludwig and U. Smola. Fine structure of the 'slit organs' of the pycnogonid *Anoplodactylus petiolatus* (Anoplodactylidae) 167

M. F. Claes. Functional morphology of the white bodies of the cephalopod mollusc *Sepia officinalis* 173

CONTENTS VOL. 77 NO. 3 1996

R. Bochert. An electron microscopic study of spermatogenesis in *Marenzelleria viridis* (Verrill, 1873) (Polychaeta; Spionidae) 191

C. Bührmann, W. Westheide and G. Purschke. Ultrastructure of the genital organs in the interstitial syllid *Petitia amphophthalma* (Annelida, Polychaeta) 201

T. Wagner, C. Neinhuis and W. Barthlott. Wettability and contaminability of insect wings as a function of their surface sculptures 213

R. C. Wyeth, S. P. Leys and G. O. Mackie. Use of sandwich cultures for the study of feeding in the hexactinellid sponge *Rhabdocalyptus dawsoni* (Lambe, 1892) 227

C. H. C. Brunton. The functional morphology of the recent brachiopod *Bouchardia rosea* 233

CONTENTS VOL. 77 NO. 3 1996 (Continued)

B. Joffe, I. Solovei and L. R. G. Cannon. The posttentacular syncytia of temnocephalids: the first indication of a putative osmoregulatory organ in the epidermis of a platyhelminth **241**

M. J. Weedon and P. D. Taylor. Skeletal ultrastructures in some cerioporine cyclostome bryozoans **249**

CONTENTS VOL. 77 NO. 4 1996

A. Schmidt-Rhaesa. Ultrastructure of the anterior end in three ontogenetic stages of *Nectonema munidae* (Nematomorpha) **267**

J. E. Russell and R. Tumlison. Comparison of microstructure of white winter fur and brown summer fur of some Arctic mammals **279**

S. Scippa and C. Izzo. An ultrastructural study of the hemocytes of the pericardial body in the ascidian *Ciona intestinalis* (L.) **283**

D. J. Macey, L. R. Brooker, J. Webb and T. G. St. Pierre. Structural organisation of the cusps of the radular teeth of the chiton *Plaxiphora albida* **287**

K. Schaefer and G. Haszprunar. Anatomy of *Laevipilina antarctica*, a monoplacophoran limpet (Mollusca) from Antarctic waters **295**

G. Haszprunar and K. Schaefer. Anatomy and phylogenetic significance of *Micropilina arntzi* (mollusca, monoplacophora, micropilinidae fam. nov.) **315**

S. Richter and H. Splechtna. The structure of anuran podocyte—determined by ecology? **335**